

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

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1. AGENCY USE ONLY (Leave blank)		2. REPORT DATE July 2000		3. REPORT TYPE AND DATES COVERED 21 April - 30 May, 2000	
4. TITLE AND SUBTITLE Debris/Ice/TPS Assessment and Integrated Photographic Analysis of Shuttle Mission STS-101				5. FUNDING NUMBERS OMRS00UO	
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7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) NASA, John F. Kennedy Space Center Processing Engineering, Mechanical Systems Division ET/SRB Branch, Mail Code: PH-H2 Kennedy Space Center, Florida 32899				8. PERFORMING ORGANIZATION REPORT NUMBER NASA/TM-2000-208581	
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSORING / MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES					
12a. DISTRIBUTION / AVAILABILITY STATEMENT Blanket Release				12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) A debris/ice/thermal protection system assessment and integrated photographic analysis was conducted for Shuttle Mission STS-101. Debris inspections of the flight elements and launch pad were performed before and after launch. Icing conditions on the External Tank were assessed by the use of computer programs and infrared scanned data during cryogenic loading of the vehicle, followed by on-pad visual inspection. High speed photography of the launch was analyzed to identify ice/debris sources and evaluate potential vehicle damage and/or in flight anomalies. This report documents the ice/debris/thermal protection system conditions and integrated photographic analysis of Space Shuttle mission STS-101 and the resulting effect on the Space Shuttle Program.					
14. SUBJECT TERMS SUBJECT CATEGORY: 15, 16 STS-101 Thermal Protection System (TPS) Ice Debris Photographic Analysis				15. NUMBER OF PAGES	
				16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT Unlimited		

**DEBRIS/ICE/TPS ASSESSMENT AND INTEGRATED PHOTOGRAPHIC ANALYSIS
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